



CONNECTIONS

Western Ohio Chapter • National Electrical Contractors Association



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NECA Awards of Excellence

Members of the National Electrical Contractors Association (NECA), Western Ohio Chapter and members of the International Brotherhood of Electrical Workers (IBEW) Local 82 are simply the best in the industry. Here are some highlights of their accomplishments over the last year.

ESI Electrical Contractors

Project: Dayton Metro Library, West Branch with Construction Managers, Shook Construction.

ESI is proud to be the Electrical Contractor for the \$12 million new Dayton Metro Library, West Branch Project being built at the historic, 34-acre Wright Company airplane factory site. The new 24,000-square-foot Dayton Metro Library branch will be a centerpiece of the site at West Third Street and Abbey Avenue in West Dayton.



New Dayton Metro Library West Branch.

ESI scope of work includes: providing and

installing a new electrical service, electrical distribution/branch circuitry, interior/exterior lighting, fire detection and alarm, communications, intrusion detection, video surveillance and audio visual systems. The project team includes Project Manager, Mark Blankenship; Superintendent: Shawn Stamps, and Foreman Russ Hobbs.

The West Branch, a consolidation of the library's current Madden Hills and Westwood locations, is part of the overall redevelopment of the Wright Company site.

The Wright Company Factory site was once populated with buildings that together comprised factories and associated administrative services of the Weight Company, Inland Manufacturing and Delphi Automotive Company. The city of Dayton

owns the property, which it purchased to preserve the historic factory building and retain control over future development of the area.

Chapel Electric Company, LLC

Project: Phoenix Group

Memorial Day, 2019. A total of 21 tornadoes ripped through Ohio on the evening of May 27, 2019. At 10:51 PM there were 5 tornadic supercells that tracked through the Miami Valley. The greatest destruction that evening, came from an EF4 tornado that tore through Brookville, Ohio and into parts of north Dayton.

That devastating tornado had winds of 170 mph with a path that was well over a half mile wide and nearly 20 miles long.

The 630,000-square-foot headquarters for the Dayton-Phoenix Group was directly hit and almost completely obliterated by this menacing and violent act of mother nature. For well over half a century, Dayton-Phoenix Group has supplied quality electrical and locomotive components to the industrial and railroad markets. This once thriving

business was now in shambles and almost unrecognizable.

Rising from the Ashes

Less than one day later, crews from Shook Construction were on site assessing the damage and safety of the building.

By the fourth day, Dayton-Phoenix Group (DPG) had rented the old Delphi facility on Northwoods



Rebuilding Dayton-Phoenix Group facility.

Boulevard in Vandalia, in order to continue its operation. In the months that followed, DPG would move nearly 75% of its local operation to this vacant manufacturing facility, while the remaining salvageable manufacturing equipment was relocated for production into a section of the Kuntz Road facility that was still serviceable and accessible.

Chapel Electric was immediately brought in to assist Shook with the complete rebuild of this electrical and

Kastle Electric

Project: Heraeus Epurio

Kastle Electric is currently working on an addition and renovation of the Heraeus Epurio facility in Vandalia, Ohio. Kastle is working with Messer Construction to complete the project.

Heraeus Epurio, is active globally, with production and innovation sites in Leverkusen, Germany and Dayton, Ohio and technical service laboratories in Europe, USA, and Asia. They are the technology and market leader in essential materials for capacitor, display, and photoresist applications. Their ultra-pure specialty chemicals are a critical component in the semiconductor, display, electronics, and aerospace industries.

For example, one of their products, Prisma (Printed Smart Devices) protects valuable and sensitive documents like cards, contracts or certificates with an easy-to-use security label and connects them to digital services. After this label has been applied to a document, it is used as a secure proof-of-presence and a key to authenticate or access digital services tied to the document. To activate the key, the

document is simply placed on a smartphone. On a verification website, the printed code will then be verified just by a swipe using the touchscreen sensor of the smartphone. Unlike optical solutions, that use for example a QR code and thus can be easily copied, Prisma's printed electronics ensures a much higher level of security and fraud protection.

Heraeus is an industrial facility with several Class 1, Division 2 areas.

The addition portion of this project consists of two stories and an approximately 40,000 SF expansion of their manufacturing facility. It requires a new 4000 AMP service and infrastructure to power the new manufacturing and packaging areas. Cable tray and tray cable are used throughout the project to accommodate the power and data cabling installation.

Due to the nature of this project, it required a leader with a strong industrial background. Chad Thompson was chosen to fulfill this role. Chad's strong leadership skills

and many years of experience in an industrial environment, made this decision easy.

A LEL (Lower Explosive Limit) system is part of the project, which includes the



Renovation at the Heraeus Epurio facility in Vandalia.

new addition, existing warehouse, and new tank farm. The LEL system will notify occupants when an unsafe condition exists and should evacuate the building immediately. This will also communicate with the Fire Alarm System. The LEL control cabinets were assembled by Chapel Electric and will be installed by Kastle Electric.

Jeff Walden is the lead electrician for the LEL installation. Jeff's attention to detail made him the logical choice to lead this project.

The Warehouse renovation is approximately

6000 SF. The project requires the installation of a new back-up generator, new fire pump system and upgrade of lighting in the area. The generator and fire pump will cover the entire complex. Steve McGuffey is leading this effort. Steve has been with Kastle Electric for over twenty years and has a complete understanding of Generator and Fire Pump systems.

Don Stafford is the Project Manager and another valuable member of the construction team. Don has coordinated the design of a new fire alarm system that

had to work with the existing fire alarm system and the LEL system. Don has also worked with Messer, EGS Construction and Dyer Mechanical throughout the project to provide timely and accurate material deliveries to the project. The project will be completed late spring of 2021.

A division of Quebe Holdings, the Kastle name has stood for comprehensive electrical contracting services with unsurpassed dependability. This year is the 95th Anniversary for Kastle. The Kastle Group is dedicated to electrical system installation, and data structured cabling systems.
www.kastle-group.com

ESI, cont'd.

The National Park Service plans to purchase, manage and maintain the historic factory buildings. Dayton Metro acquired acreage for the new library branch. And conversations continue with UD and others to identify the best uses for the remaining development

site. Construction will be completed in late 2021.

Founded in 1966, ESI provides industry-leading electrical construction services across Ohio and the surrounding region. ESI has deep project experience in a variety of markets, including commercial, government, health care, education and

sustainable construction. ESI is a Voluntary Protection Program Star Mobile Workforce contractor, an achievement earned through the Occupational Safety and Health Administration in recognition of exemplary occupational safety and health.
www.esielectrical.com.



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Your comments, suggestions and questions are welcome! Contact the Western Ohio Chapter - NECA.

e-mail: info@wocneca.org
website: www.wocneca.org
phone: 937-299-0384
fax: 937-299-7322

Maxwell Lightning Protection

Project: West End Stadium

Lead techs: Brent Ehlers & Michael Coss

Project: Columbus Crew Stadium

Lead tech: Micah Tolle

Two new soccer stadiums are being built in Ohio, the West End Stadium for FC Cincinnati and the Columbus Crew Stadium. Both projects are set in prime locations for access and entertainment and will surely help boost economic growth by providing entertainment venues for not just soccer but multiple uses at each venue.

The in-progress \$300 million Crew Stadium located in downtown Columbus is expected to have a capacity of 20,000 spectators and include 30 suites and 1,900 club seats. It will replace the Crew's longtime home of MAPFRE Stadium, which opened in 1999 as the first MLS soccer-specific stadium. In addition to Crew home matches, the 430,000-square-foot stadium will host FIFA and U.S. Soccer national team matches as well as concerts and numerous community events.

The fan-focused design has incorporated five multi-purpose club and lounge spaces allowing for fans to have flexibility and choices, no matter the type of event they are attending. In addition to the club and lounge spaces, the stadium blends the boundaries of indoor and outdoor spaces with a 40,000-square-foot, landscaped outdoor plaza designed to host concerts, food trucks, festivals and local fairs. The development surrounding the

stadium will be called Confluence Village and will feature hundreds of thousands of square feet of commercial and office space that will bring up to 1,300 workers to



Columbus Crew Stadium.

the area, plus 885 residential units.

“Activity on or in open fields and stadiums prior to, during, or after thunderstorms occur cause a huge risk to



New West End Stadium for FC Cincinnati.

players, entertainers, and fans. Protecting this stadium minimizes many catastrophic risks that can take place,” says Micah Tolle, Maxwell Lightning's lead tech at the Columbus Crew Stadium.

Football Club Cincinnati, commonly known as FC Cincinnati, is an American professional soccer club based in Cincinnati,

Ohio. FC Cincinnati played at Nippert Stadium for its first two seasons in MLS while its permanent home, the soccer-specific West End Stadium, was being built. The West End Stadium will have a capacity between 25,500 and 26,500, making it one of the largest soccer-specific stadiums in Major League Soccer. The stadium will include a grass field as well as a full canopy roof that goes around the entire stadium bowl and covers all seated

rows. The design for the inside bowl of the stadium incorporates a cut-out feature in the southeast corner that will give spectators a clear view of the Cincinnati skyline

section at Nippert Stadium. Many new premium seating and entertainment options will be available to fans that include multiple club seating options and suite configurations.

Brent Ehlers and Mike Coss are the lead techs at the West End Stadium in Cincinnati. “This stadium is state-of-the-art with a very new age feel and many sensitive electronics involved. Protecting this stadium with a certified lightning protection system is the only way to go with minimizing lightning damage that can be caused by direct strikes and or surge flashes,” says Brent Ehlers.

There have been many instances around the world where lightning has struck soccer players and many athletes practicing, competing or training outside. Although lightning protection protects structural damage and surge protection protects sensitive electronics, the primary goal is life safety and to eliminate all risks involved.

Since 1963, Maxwell Lightning Protection Co. has gained a reputation as “The Experts” in commercial and residential lightning protection systems. In addition to lightning protection, they are specialists in cathodic protection, both sacrificial and impressed current; sophisticated high explosive area

grounding systems, both underground and building interiors. Their services also include estimating, design and engineering. www.maxwell-lp.com.

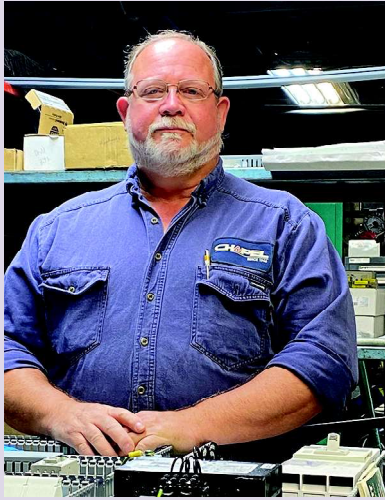
from their seats. In the north end of the stadium will be the FC Cincinnati's supporters section, The Bailey, which will be almost twice as large as the current supporters

Outstanding Performance Award

Kris Turvy

Service and Special Projects Foreman
Chapel Electric

Kris Turvy became an IBEW Local 82 electrical apprentice in 1980. Like all apprentices during that time, he rotated through the local electrical contractors giving him an excellent opportunity to gain experience in the many different types of projects that we face in our industry, while learning valuable skills from a variety of seasoned Journeyman and Foremen.



Kris Turvy

In 1992, Kris came to work for Chapel Electric and has been here ever since. He got his start in Chapel's Contract Operation's division, working on many exciting projects such as: Panasonic, Tait Station, Clopay and 3 projects at WPAFB - NASIC, Sub C Retrofit & AMC.

In 2000, Kris moved into Chapel's Service and Special Projects group. He was selected to join the Service Department due to his interest in Infrared Thermography and his outstanding troubleshooting abilities. Since that time, he has developed many other skills through experience and training. These skills include Preventative/Predictive Maintenance; Medium Voltage Splicing, Terminations and Testing; VFD startup and checkout; Power Quality Analysis; Arc Flash Studies; Data Center Commissioning; Panel Building and he has become one of the areas few Level II Infrared Thermographers.

Today, Kris serves as a senior Foreman in Chapel Electric's Service & Special Projects group. Over the years, he's proven to be an extremely valuable resource for Chapel's Project Management team. He becomes involved with many of our most challenging and difficult projects from the beginning to end. He is always there to support whoever is in need, taking calls at all hours of the day and night. He can be a bit grumpy at times, especially at night, but he's always ready to give expert advice or provide the onsite support that is needed.

Kris is a true asset to Chapel Electric, Local 82 and the electrical industry. He is a leader, a highly skilled technician, a mentor and a teacher. We thank you Kris, for everything that you do, you are very deserving of this year's Outstanding Performance Award.

Chapel, cont'd.

locomotive component manufacturing facility, as well as its temporary operation / relocation.

Chapel had to completely rebuild the 15kV distribution system, with over 17,000 feet of medium voltage cable replacement as well as all new substations and secondary equipment. Chapel's scope also included the removal and replacement of over 15,000 feet of distribution busway that served the building's equipment and power requirements, new service for the replacement HVAC equipment, all new lighting and general power throughout. In addition, a new 50k sq ft. office space was also part of the plant rebuild which included all new lighting, fire alarm, Voice/Data and Audio/Visual Systems.

Dayton-Phoenix Group is now in the process of completing its multi-phase \$80 million rebuilding effort and due to the incredibly fast and decisive actions taken by Gale Kooken (former CEO and now Chairman of the Board), not a single DPG employee lost a single day's pay. Thank you, Gale Kooken and Dayton-Phoenix Group; you and your entire team are an excellent example of #Dayton Strong and a true role model for us all.

Since 1946, Chapel Electric Co. LLC has ventured into a variety of different market sectors in becoming one of the nation's leading electrical contractors, from state-of-the-art electrical and technology systems for ultra-modern hospital construction, modernization and renovation, to 24/7/365 service and preventive maintenance. www.chapel.com

The Western Ohio Chapter - National Electrical Contractors Association Directory:

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RMF Nooter
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Uptime Solutions

Western Ohio Chapter - NECA
3131 South Dixie Hwy. Ste. 415
Dayton, OH 45439

UPCOMING EVENTS

LMCC/IBEW/NECA GOLF OUTING

The annual LMCC/IBEW/NECA Golf Outing takes place on Monday, September 20 at Walnut Grove Country Club. Get your swing on!